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SPECIALIZED RADAR JOINS FAA FIGHT AGAINST ROGUE DRONES IN EXTENSIVE DETECTION TRIALS

ASHBURN, VA: Robin Radar Systems' drone radar, IRIS, has joined the Federal Aviation Administration (FAA)'s nationwide push to safeguard U.S. airspace.

The FAA recently completed a major two-week drone detection testing program in Cape May, New Jersey, as part of a national initiative to combat the growing threat of drones near airports and critical infrastructure. This work reinforces national security and transparency.

A 360°, 3D drone radar was among the cutting-edge technologies evaluated. Robin Radar Systems was the only radar company to support the event, having already made [headlines](#) with IRIS in December 2024, following a surge in drone activity over New Jersey. The incident raised alarms among residents and triggered concern at the Pentagon.

IRIS has been designed to give teams the earliest possible warning of drones, accurate tracking day and night, and doesn't rely on UAS emitting a signal to detect them.

As drone usage increases, the FAA is ramping up efforts to test and integrate various counter-UAS (unmanned aircraft systems) technologies to detect, classify, and mitigate threats in real time. The notable increase in drone sightings near airports and rise in incidents has highlighted the importance of this project that is focused on integrating drone detection and mitigation technologies into the U.S. airspace system.

The initiative is active at airports around the country, as well as off-airport locations, with the FAA testing event including large unmanned aircraft and over 100 commercially available drones.

Christian Bach, a retired U.S. Secret Service Agent and Robin Radar Account Manager for commercial and government clients, said: "We recognize the complexity of the FAA's mission, and we're proud to be part of their focus on enhancing airspace safety and security.

"Our specialized drone radar detects, classifies and tracks UAS in real-time, and IRIS even performs at speeds of up to 60 mph, if needed. It combines 360° coverage with 3D

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information and accurate tracking, all in a deployable system that sets up within 15 minutes. It was innovated with a no-compromise approach to drone detection.”

Kristian Brost, a Marine Veteran and Robin’s General Manager of North America, added: “Our systems are purpose-built to identify small, low-flying objects, filling critical gaps that traditional air traffic and defense radars often miss. This way, our technologies provide unmatched situational awareness for controlled and uncontrolled airspace alike.

“We’re proud to have seen it support the FAA in their comprehensive trials. As a New Jersey native, it’s a privilege to help protect this great homeland as we establish the most effective ways to protect our U.S. airspace.”

About Robin Radar Systems

[Robin Radar Systems](#) is a technology company known globally for expertise in tracking small, fast-moving aerial objects. With over 400 systems deployed across more than 35 countries, including in conflict war zones, at major international events such as the Paris Olympics, and multiple critical infrastructures across the U.S, Robin Radar is on an expansive mission to safeguard skies and detect rogue drone threats.

The company combines a 40-year heritage steeped in radar science with a legacy of innovation to produce technologies that continuously evolve with societal need. With avian radars that mitigate bird strike risk and counter-UAS radars designed for elusive threats, their advanced systems empower aviation, defense, security, and ecology teams with a unique view of their airspace. For defense and security, that means accurate and early real-time updates of drones when the stakes are high.

About IRIS

Infinitely deployable and simple to integrate, [IRIS](#) is Robin’s flagship drone detection radar. It delivers 360° coverage in 3D for the earliest possible alerts. By combining 360° views, 60° elevation, and a 3-mile instrumented range, IRIS delivers a huge 48-mile² total coverage area. At a lightweight size of 64 lb, the radar integrates micro-doppler classification, deep neural network (DNN) technology, and on-the-move (OTM) capability in one small but mighty package.

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